

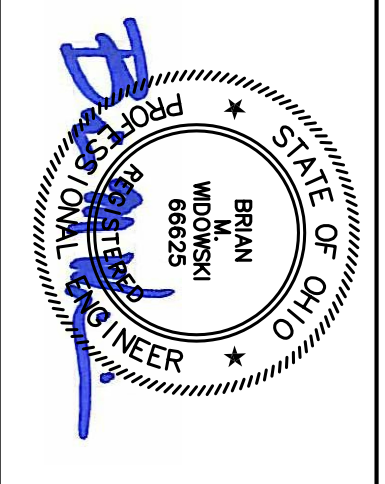
LOUIS STOKES VA MEDICAL CENTER, CLEVELAND																								
STEAM TRAP MONITORING SYSTEM, INSULATION AND PIPING UPGRADES																								
STEAM TRAP TAG NO.	LOCATION	TRAP DRAWING REFERENCE NO.	AREA	TRAP TYPE	ELEV. AFF.	TRAP MODEL, MFG. & PIPE SIZE	P IN	EQUIPMENT SERVED	COND.	REMARKS	NO WORK REQUIRED	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬
131	RESEARCH PENTHOUSE 3404 AC-25 STEAM COIL UPPER	3-2-8	8	F	3	1" SPRKX FT-75	14M	STEAM COIL	OK	HAS NEW 1" SPRKX FT-75 FLOAT & THERMOSTATIC STEAM TRAP. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-25 FACE COIL. INSPECTED 7/27/12.								X						
132	RESEARCH PENTHOUSE 3404 AC-25 STEAM COIL MIDDLE	3-2-8	8	F	2	1" SPRKX FT-75	14M	STEAM COIL	OK	HAS NEW 1" SPRKX FT-75 FLOAT & THERMOSTATIC STEAM TRAP. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-25 FACE PLATE KIT. SHOULD HAVE Y-STRAINER TO PROTECT STEAM TRAP AND TUNSTALL VB-30 STEAM SERVICE VACUUM BREAKER TO PROTECT COIL. INSPECTED 7/27/12.									X					
133	RESEARCH PENTHOUSE 3404 AC-25 STEAM COIL LOWER	3-2-8	8	F	1	1" SPRKX FT-75	14M	STEAM COIL	OK	HAS NEW 1" SPRKX FT-75 FLOAT & THERMOSTATIC STEAM TRAP. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-25 FACE COIL. INSPECTED 7/27/12.									X					
134	RESEARCH PENTHOUSE 3404 AC-25 STEAM COIL SUPPLY DRIP	3-2-8	8	B	1	3/4" SPRKX B1H-125	14	STEAM MAIN DRIP	OK	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS COLD OUT OF SERVICE. WHEN WORK, REPAIR STEAM TRAP WITH SPRKX #8004 REPAIR KIT. INSPECTED 7/27/12.							X							
135	RESEARCH PENTHOUSE 3404 AC-25 REHEAT COIL UPPER	3-2-8	8	F	3	2" SPRKX FT-15	14M	STEAM COIL	OK	HAS NEW 2" SPRKX FT-15 WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-15 STEAM TRAP REPAIR KIT. SHOULD HAVE Y-STRAINER TO PROTECT TRAP. NO VACUUM BREAKER PRESENT. INSTALL TUNSTALL VB-34 STEAM SERVICE VACUUM BREAKER. INSPECTED 7/27/12.									X					
136	RESEARCH PENTHOUSE 3404 AC-25 REHEAT COIL MIDDLE	3-2-8	8	F	2	2" SPRKX FT-15	14M	STEAM COIL	OK	HAS NEW 2" SPRKX FT-15 WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-15 STEAM TRAP REPAIR KIT. SHOULD HAVE Y-STRAINER TO PROTECT TRAP. NO VACUUM BREAKER PRESENT. INSTALL TUNSTALL VB-34 STEAM SERVICE VACUUM BREAKER. INSPECTED 7/27/12.									X					
137	RESEARCH PENTHOUSE 3404 AC-25 REHEAT COIL LOWER	3-2-8	8	F	1	2" SPRKX FT-15	14M	STEAM COIL	LK	REPAIR DEFECTIVE STEAM TRAP WITH TUNSTALL #FFPS-15 STEAM TRAP REPAIR KIT. SHOULD HAVE Y-STRAINER TO PROTECT TRAP. NO VACUUM BREAKER PRESENT. INSTALL TUNSTALL VB-34 STEAM SERVICE VACUUM BREAKER. INSPECTED 7/27/12.									X					
138	RESEARCH PENTHOUSE 3404 AC-25 REHEAT COIL SUPPLY DRIP	3-2-8	8	B	2	3/4" SPRKX B1H-125	10	STEAM MAIN DRIP	CP	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS COLD PLUGGED. SHOULD BE HOT. IF REQUIRED, REPAIR WITH SPRKX #8004 REPAIR KIT. INSPECTED 7/27/12.								X						
139	RESEARCH PENTHOUSE 3404 REHEAT COIL HUMIDIFIER	3-2-8	8	D	1	3/4" PROICIENT TECHNOLOGIES TGCAB2	10	HUMIDIFIER DRIP	CO	STEAM TRAP IS COLD OUT OF SERVICE. HUMIDIFIER NOT USED. IF REQUIRED, REPLACE WITH NEW 3/4" SPRKX B1H-125 OR 3/4" ARMSTRONG B88-125 INVERTED BUCKET STEAM TRAP. INSPECTED 7/27/12.								X						
140	RESEARCH PENTHOUSE 3404 REHEAT COIL UNIT HEATER EAST WALL	3-2-8	8	F	12	3/4" SPRKX FT-30	14	UNIT HEATER	COOLK	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH TUNSTALL #FFPS-30 FACE PLATE REPAIR KIT. CHECK VALVE BEHIND TRAP. WHEN WORK, REPAIR WITH TUNSTALL VB-34 STEAM SERVICE VACUUM BREAKER. INSPECTED 7/27/12.									X					
141	BASAMENT K-14 CART WASHER SUPPLY DRIP	3-8-1	1	F	6	1" NICHOLSON FTN-75	70	STEAM MAIN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
142	BASAMENT K-14 CART WASHER SUPPLY DRIP	3-8-1	1	B	2	3/4" SPRKX B1H-125	70	STEAM MAIN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #8004 REPAIR KIT. HAS ELEVATED CONDENSATE. 6 FT. OF 1" TO PSIG BARE STEAM PIPE NEEDS INSULATION. INSPECTED 7/27/12.														
143	BASAMENT K-14 CART WASHER HEAT EXCHANGER	3-8-1	1	D	2	3/4" WATSON MCO WD-600	70M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
144	BASAMENT STAIRWELL #1 K-16 EQUIPMENT RAIL L.P. DRIP	3-8-1	1	B	6	3/4" SPRKX B1H-125	15	STEAM MAIN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #8004 REPAIR KIT. HAS ELEVATED CONDENSATE. HAS COPPER CONDENSATE DISCHARGE PIPING & DIELECTRIC UNION. INSPECTED 8/1/12.								X						
145	BASAMENT STAIRWELL #1 K-16 EQUIPMENT RAIL AC-16 STEAM COIL	3-8-1	1	F	8	1" NICHOLSON FTN-15	10M	STEAM COIL	CO	STEAM TRAP IS COLD OUT OF SERVICE DUE TO NEW CONSTRUCTION. IF REQUIRED, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. CONDENSATE IS ELEVATED 20" WITH MODULATING CONTROL. SHOULD REPIPE FOR GRAVITY DRAINAGE. HAS STEAM SERVICE VACUUM BREAKER ON INLET. INSPECTED 8/1/12.									X					
145A	BASAMENT STAIRWELL #1 K-16 EQUIPMENT RAIL FTY DRIP	3-8-1	1	F	2	3/4" NICHOLSON FTN-15	10	STEAM MAIN DRIP	OK	STEAM TRAP OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. NEW TAG. INSPECTED 8/1/12.														
146	L.P. DRIP	3-8-1	1	F	7	3/4" NICHOLSON FTN-15	10	STEAM MAIN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
147	BASAMENT STAIRWELL #1 K-16 EQUIPMENT RAIL L.P. DRIP	3-8-1	1	1	8	3/4" SPRKX FT-15	10	UNIT HEATER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
148	BASAMENT STAIRWELL #1 K-16 L.P. DRIP TO STEAM COIL UNIT	3-8-1	1	F	12	3/4" NICHOLSON FTN-15	10	STEAM MAIN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
149	BASAMENT STAIRWELL #1 K-16 EQUIPMENT RAIL HEAT EXCHANGER	3-8-1	1	F	2	3/4" NICHOLSON FTN-15	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
150	BASAMENT STAIRWELL #1 K-16 EQUIPMENT RAIL HEAT EXCHANGER DRIP TRAP	3-8-1	1	F	5	3/4" NICHOLSON FTN-15	10	STEAM MAIN DRIP	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 FACE PLATE REPAIR KIT. STEAM SAFETY VALVE DISCHARGE PIPED IMPROPERLY. REPIPE. INSPECTED 8/1/12.														
151	K-14 PENTHOUSE UNIT HEATER	3-8-12	2	F	9	3/4" SPRKX FT-30	10	UNIT HEATER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-30 FACE PLATE REPAIR KIT. INSPECTED 8/1/12.														
152	MAIN PENTHOUSE STAIRWELL #6 HEAT EXCHANGER SUPPLY DRIP	3-8-12	2	B	6	3/4" SPRKX B1H-125	10	STEAM MAIN DRIP	OK	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #80004 REPAIR KIT. INSPECTED 7/27/12.														
153	MAIN PENTHOUSE STAIRWELL #6 HEAT EXCHANGER	3-8-12	2	F	2	2" DUNHAM BUSH 30-84	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-30A REPAIR KIT. STEAM TRAP IS MOUNTED IN PARALLEL TO TRAP FTS. INSPECTED 7/27/12.														
154	MAIN PENTHOUSE STAIRWELL #6 HEAT EXCHANGER	3-8-12	2	F	3	2" DUNHAM BUSH 30-84	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-30A REPAIR KIT. STEAM TRAP IS MOUNTED IN PARALLEL TO TRAP FTS. INSPECTED 7/27/12.														
155	MAIN PENTHOUSE STAIRWELL #6 FIB MARLO STEAM COIL LEFT AC185	3-8-12	2	F	2	2" TUNSTALL TAA17B-15	10M	STEAM COIL	OK	STEAM TRAP OK. IF REQUIRED, REPAIR WITH #FFPS-15 FACE PLATE REPAIR KIT. STEAM TRAP HAS OUTLET DIE-ELECTRIC UNIONS. HAS STEAM SERVICE VACUUM BREAKER AT COIL OUTLET. REMOVE HOPEMAN AIR VENT FROM STEAM SUPPLY. 20FT. ELEVATION. INSPECTED 7/27/12.									X					
156	MAIN PENTHOUSE STAIRWELL #6 FIB MARLO STEAM COIL RIGHT AC185	3-8-12	2	F	2	2" TUNSTALL TAA17B-15	10M	STEAM COIL	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH #FFPS-15 FACE PLATE REPAIR KIT. TRAP HAS OUTLET DIE-ELECTRIC UNIONS. HAS STEAM SERVICE VACUUM BREAKER AT COIL OUTLET. INSPECTED 7/27/12.														
157	MAIN PENTHOUSE STAIRWELL #6 FIB MARLO STEAM COIL LEFT AC181	3-8-12	2	F	2	2" TUNSTALL TAA17B-15	10M	STEAM COIL	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH #FFPS-15 FACE PLATE REPAIR KIT. TRAP HAS OUTLET DIE-ELECTRIC UNIONS. HAS STEAM SERVICE VACUUM BREAKER AT COIL OUTLET. INSPECTED 7/27/12.														
158	MAIN PENTHOUSE STAIRWELL #6 FIB MARLO STEAM COIL RIGHT AC181	3-8-12	2	F	2	2" TUNSTALL TAA17B-15	10M	STEAM COIL	CO	STEAM TRAP IS COLD OUT OF SERVICE. IF REQUIRED, REPAIR WITH #FFPS-15 FACE PLATE REPAIR KIT. TRAP HAS OUTLET DIE-ELECTRIC UNIONS. HAS STEAM SERVICE VACUUM BREAKER AT COIL OUTLET. INSPECTED 7/27/12.														
159	MAIN PENTHOUSE STAIRWELL #6 FIB H.P. DRIP TO PRIV STATION	3-8-12	2	B	2	3/4" SPRKX B1H-125	115	STEAM MAIN DRIP	OKLK	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #8004 REPAIR KIT. 3" 150# FLANGED Y-STRAINER INSPECTED 7/27/12.														
160	MAIN PENTHOUSE STAIRWELL #6 AC-181A DRIP TO PRIV STATION	3-8-12	2	B	2	3/4" SPRKX B1H-125	25	STEAM MAIN DRIP	OK	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #8004 REPAIR KIT. INSPECTED 7/31/12.														
161	MAIN PENTHOUSE STAIRWELL #6 AC-181A HP DRIP TO PRIV STATION	3-8-12	2	B	4	3/4" SPRKX B1H-125	25	STEAM MAIN DRIP	BT	HAS NEW 3/4" SPRKX B1H-125 REPAIR DEFECTIVE STEAM TRAP WITH SPRKX #80004 REPAIR KIT. INSPECTED 7/31/12.														
162	MAIN PENTHOUSE STAIRWELL #6 L.P. SUPPLY TO HEAT EXCHANGER1 & 2 HEAT EXCHANGERS	3-8-12	2	B	9	3/4" SPRKX B1H-125	10	STEAM MAIN DRIP	LK	HAS NEW 3/4" SPRKX B1H-125 REPAIR DEFECTIVE STEAM TRAP WITH SPRKX #80004 REPAIR KIT. 3/4" BY-PASS GATE VALVE IS BROKEN & LEAKS THROUGH. REPLACE WITH 3/4" STEAM SERVICE BALL VALVE. INSPECTED 7/27/12.														
163	MAIN PENTHOUSE STAIRWELL #6 FERNMETER HEAT EXCHANGER	3-8-12	2	D	12	3/4" PROICIENT TECHNOLOGIES TGCAB2	10	STEAM MAIN DRIP	OKLK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-30 STEAM TRAP REPAIR KIT. HAS VACUUM BREAKER IN SHELL. NEW TAG. INSPECTED 7/27/12.														
164	MAIN PENTHOUSE STAIRWELL #6 FERNMETER HEAT EXCHANGER	3-8-12	2	F	3	2" WATSON MCO FT-30	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-30 STEAM TRAP REPAIR KIT. HAS VACUUM BREAKER IN SHELL. NEW TAG. INSPECTED 7/27/12.														
165	MAIN PENTHOUSE STAIRWELL #6 PERIMETER HEAT EXCHANGER	3-8-12	2	F	3	2" WATSON MCO FT-30	10M	HEAT EXCHANGER	OK	STEAM TRAP IS OK. WHEN WORK, REPAIR STEAM TRAP WITH TUNSTALL #FFPS-30 STEAM TRAP REPAIR KIT. HAS VACUUM BREAKER IN SHELL. NEW TAG. INSPECTED 7/27/12.														
166	MAIN PENTHOUSE STAIRWELL #6 ENTRANCE UNIT HEATER	3-8-12	2	F	22	3/4" ARMSTRONG 15-83	10	UNIT HEATER	OK	STEAM TRAP IS OK. SHOWS WEAR. WHEN WORK, REPAIR WITH TUNSTALL #FFPS-15 DRIP KIT OR REPLACE WITH NEW 3/4" SPRKX FT-15 DRIP KIT. INSPECTED 7/27/12.														
167	MAIN PENTHOUSE STAIRWELL #6 AC-17 PRIV H.P. DRIP	3-8-12	2	B	7	1/2" SPRKX B1H-125	115	STEAM MAIN DRIP	OK	HAS NEW 1/2" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #80004 REPAIR KIT. INSPECTED 7/27/12.														
168	MAIN PENTHOUSE STAIRWELL #6 AC-17 PRIV L.P. DRIP	3-8-12	2	B	7	3/4" SPRKX B1H-125	10	STEAM MAIN DRIP	OK	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #80004 REPAIR KIT. INSPECTED 7/27/12.														
169	MAIN PENTHOUSE STAIRWELL #6 AC-17 PRIV H.P. DRIP	3-8-12	2	B	10	1/2" SPRKX B1H-125	25	STEAM MAIN DRIP	OK	HAS NEW 1/2" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #80004 REPAIR KIT. INSPECTED 7/27/12.														
170	MAIN PENTHOUSE STAIRWELL #6 AC-17 PRIV L.P. DRIP TO HEAT EXCHANGER	3-8-12	2	D	8	3/4" SPRKX B1H-125	10	STEAM MAIN DRIP	OKLK	HAS NEW 3/4" SPRKX B1H-125 STEAM TRAP IS OK. WHEN WORK, REPAIR WITH SPRKX #80004 REPAIR KIT. 2" NPT GATE VALVE LEAKS AT BOWNE. REPLACE WITH 2" STEAM SERVICE BALL VALVE. INSPECTED 7/27/12.														

- NOTES:
- REPAIR AS REQUIRED PER REMARKS COLUMN.
 - REPAIR SAFETY VALVE DISCHARGE.

COLUMN REFERENCE NOTES:

- FINISH AND INSTALL AN ACOUSTIC WIRELESS STEAM TRAP MONITORING SENSOR PER SPECIFICATIONS.
- REPLACE OR REPAIR STEAM TRAP IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.
- REMOVE STEAM TRAP AND ALL ABANDONED CONDENSATE PIPING TO A POINT WHERE THE CONDENSATE LINE IS LIVE. CAP.
- REPAIR STEAM/CONDENSATE LEAK IN ACCORDANCE WITH DESCRIPTION IN REMARKS COLUMN.
- COLD STEAM TRAPS. REPAIR THE VALVES, CONTROLS ETC. AS DESCRIBED IN THE REMARKS COLUMN. INVESTIGATE AND DETERMINE THE REASON FOR ANY OTHER NON-FUNCTIONING STEAM TRAP THAT WERE FOUND TO BE COLD. FIX ALL ITEMS FOUND TO BE REPAIRING REPAIR. (FOR PURPOSES OF THIS BID ASSUME THE CONTROL VALVES REQUIRE REPAIR OR REPLACEMENT) REDUCT ALTERNATE NO. 1.
- REPLACE THE EXISTING COPPER PIPING WITH NEW STEEL PIPE AND REPLACE THE EXISTING DIELECTRIC UNIONS AND NIPPLES WITH EQUIVALENT SIZES. SEE THE REMARKS COLUMN FOR REQUIRED WORK. THE STEAM LOCATION ON THE REBUILDING AND TRAPS, INSULATION AND Y-STRAINERS AND BALL VALVE AND PIPING SHALL BE IDENTICAL TO THE EXISTING. (SEE THE REMARKS COLUMN FOR REQUIRED WORK) FINISH AND INSTALL NEW STEAM VACUUM BREAKERS IN ACCORDANCE WITH THE REMARKS COLUMN.

CONSULTANTS:



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ARCHITECT:

Drawing Title
STEAM TRAP AND WORK SCHEDULE TRAPS 181-170

Approved Project Director

Project Title
STEAM TRAP MONITORING, INSULATION AND PIPING UPGRADES

Location
VAMC - WADE PARK

Date
12-21-12

Checked
WFW

Drawn
JWF

Drawing Number
2-04

Office of Facilities Management